

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/059204 A2

- (51) International Patent Classification⁷: **C23C 18/32**, F16C 33/62, 33/64, 33/30, 33/44, 33/56
- (74) Agents: **VAN WESTENBRUGGE, Andries** et al.; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).
- (21) International Application Number: PCT/NL2004/000890
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 20 December 2004 (20.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 1025088 19 December 2003 (19.12.2003) NL
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **AB SKF** [SE/SE]; Hornsgatan 1, S-415 50 Goteborg (SE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **MIKALONIS, David, R.** [US/US]; 1510 Gehman Road, Kulpsville, PA 19443 (US). **WALLIN, Hans** [US/US]; 3013 Valley View Way, Lansdale, PA 19442 (US). **KOETTRISCH, Hubert** [AT/AT]; Ybbeistrasse 21, A-3300 Amstetten (AT). **HEEMSKERK, Rutgerus, Simon** [NL/DE]; Am Bauholz 42, 97490 Kuetzberg (DE). **ZHOU, Xiao, Bo** [NL/NL]; Schildmos 22, NL-3994 LS Houten (NL).
- Published:**
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: ROLLING BEARING HAVING A NICKEL-PHOSPHORUS COATING

(57) Abstract: Rolling bearing comprising at least one ring with raceway and rolling elements. To increase resistance against failure in an environment containing hydrogen disulphide the related part of the rolling bearing is coated with a nickel-phosphorus coating.



WO 2005/059204 A2